



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application Of: Najaf-Zadeh et al. Our File No: 18-47 US
Application No: 10/647,320 Group Art Unit: 2644
Filed: August 26, 2003 Examiner: Unknown
Title: Bit Rate Reduction in Audio Encoders by
Exploiting Inharmonicity Effects and Auditory
Temporal

January 5, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450 U.S.A.

**Information Disclosure Statement
- Under 37 CFR 1.97(e)(1)**

Sir:

Applicant submits herewith an Information Disclosure Statement (Form PTO-1449)
and copies of references listed therein.

The documents listed in the IDS were cited in a Search Report mailed
December 18, 2003 from the European Patent Office in the corresponding European
application not more than three months prior to the filing of this statement.

Respectfully submitted,

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Substitute form for form 1449A & 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1

of 1

Complete if Known

Application No.	10/647,320
Filing Date	August 26, 2003
First Named Inventor	Najaf-Zadeh et al.
Group Art Unit	2644
Examiner Name	Unknown
Attorney Docket No.	18-47 US

JAN 06 2004

O I P E
U.S. TRADEMARK OFFICE**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,706,392		Goldberg et al.	01-06-1998	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in capital letters), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		Huang et al., "A New Forward Masking Model and its Application to Perceptual Audio Coding", 1999 IEEE Int'l Conference on Acoustics, Speech, and Signal Processing, vol. 2, pp. 905-908, Phoenix, AZ, March 15-19 1999	
		Usagawa et al., "Speech Parameter Extraction in Noisy Environment Using a Masking Model", Acoustics, Speech, and Signal Processing, 1994. ICASSP-94, 1999 IEEE Int'l Conference on Adelaide, SA, Australia, April 19-22 1994	

Examiner
SignatureDate
Considered

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.